AP5060 Series Access Points

Highlights

- Manageable by Extreme Platform ONE™*, ExtremeCloud™ IQ*, and ExtremeCloud IQ Controller
- Extreme Platform ONE Security Policy Enforcement

Advanced Radio Technology

Quad-Radio Design

- 2.4 GHz (4x4:4)
- 5 GHz (4x4:4)
- 6 GHz (4x4:4)**
- Dedicated Tri-band 2x2 Sensor

Integrated IoT Radios

- Two IoT Radios with Bluetooth Low Energy (BLE), Zigbee, Thread Capabilities

Operational Modes

- 2.4 GHz/5 GHz/6 GHz + Tri-band Sensor
- Dual 5 GHz/6 GHz + Tri-band Sensor
- 5 GHz/Dual 6 GHz + Tri-band Sensor

Designed for Harsh Environments

- IP67 Weatherized
- Extended temp range: -40°C to +60°C (-40°F to 140°F)

Superior Tri-frequency Radio Performance

- Multi-band filter reduces interference and enables 5 GHz and 6 GHz operation across all available channels

Cellular Coexistence Filter (CCF)

- Minimizes the impact of interference from cellular networks

Power

- Full functionality with 802.3bt
- Required functionality with 802.3at
- Built-in PoE failover or PSE (PoE Out)

*Support in future release
**6 GHz is country-dependent



Wi-Fi 7 Weatherized Access Point

Extreme's AP5060 series brings Wi-Fi 7 performance to the toughest high-density outdoor environments, delivering the bandwidth, reliability, and environmental durability required by stadiums, arenas, transportation hubs, and large enterprise campus deployments. With a quad-radio design delivering 4x4:4 MIMO across 2.4 GHz, 5 GHz, and 6 GHz—plus a dedicated tri-band sensor—the AP5060 series delivers exceptional performance with aggregate data rates up to 23 Gbps, and real-time RF visibility in the harshest deployment scenarios. Its IP67 weatherized enclosure and extended -40°C to +60°C (-40°F to 140°F) operating range ensure reliable connectivity in the harshest environmental conditions.

Designed for high-density client populations and mission-critical operations, the AP5060 leverages multi-band filtering, cellular coexistence filtering (CCF), and Wi-Fi 7 capabilities including 320 MHz channels, MLO, OFDMA, and 4K-QAM to maximize spectrum efficiency. Whether supporting tens of thousands of mobile clients, high-volume IoT devices, or venue operations, the AP5060 provides consistent throughput and low-latency performance. It can deliver full Wi-Fi performance when powered via 802.3at (PoE+), simplifying switch support with limited power options.

The AP5060 series is built for operational flexibility. With software-defined radios, multiple operating modes, and seamless management through Extreme Platform ONE* or ExtremeCloud IQ, IT teams can tailor performance to the environment while maintaining enterprise-grade security and policy enforcement. Combined with integrated BLE/Zigbee/Thread IoT radios and AFC support for standard power on 6 GHz**, the AP5060 delivers the foundation for next-generation wireless experiences.

Business Benefits and Outcomes

Improve Operational Efficiency

The AP5060 series of outdoor wireless access points (APs) is part of a complete network solution that includes AIOps, Extreme's Universal Wired portfolio and access security. Using powerful 802.11be Wi-Fi 7 technology, this solution allows deployment of high-speed and highly secure Wi-Fi into a broad range of environments including manufacturing, healthcare, enterprise, and venues. Operational efficiency is improved through powerful cloud- and on-premises based AI management capabilities offered by Extreme Platform ONE* and ExtremeCloud IQ* across the wired and wireless infrastructure.

Reduce Risk

With more users, more devices, more applications, and more threats straining the network, the AP5060 is engineered to meet these performance and security challenges. Unlike other APs that scan only part time, the AP5060 features a dedicated tri-band sensor that monitors rogue devices full time, reducing the risk of vulnerability and attacks. The AP5060, as part of the Extreme Universal Wireless portfolio, allows the user to change an operating system use case without changing the hardware, providing deployment flexibility.

Enhance User Experiences

The enhanced user experience with a Wi-Fi 7 AP5060 access point is marked by ultra-high speeds, low latency, and exceptional connectivity, even in dense or complex environments. Leveraging Wi-Fi 7's Extremely High Throughput (EHT) technology, users enjoy faster downloads, smoother streaming, and more responsive real-time applications like video and data-intensive tasks.

Models to Suit Customer Needs

The AP5060 series includes two models, each designed for specific deployment needs:

1. **AP5060U** features omnidirectional internal antennas, delivering optimal coverage for high-density outdoor environments and ideal for underseat, on-pole, or wall-mount deployments.
2. **AP5060D** incorporates configurable 20/70 degree directional internal antennas, delivering focused coverage for stadiums, transportation hubs, and outdoor venue environments with concentrated client populations.



AP5060U Wi-Fi 7 Access Point



AP5060D Wi-Fi 7 Access Point

Network Management Flexibility

The AP5060U and AP5060D can be flexibly managed by Extreme Platform ONE*, ExtremeCloud IQ*, and ExtremeCloud IQ Controller from the cloud or on premises.

Extreme Platform ONE*

Extreme Platform ONE is the Extreme Networks enterprise connectivity platform that integrates networking and security with AI into one powerful and radically simplified experience and licensing model. It supports NetOps, SecOps, and business teams with built-in automation and enables organizations to regain control, unlock innovation, and boost productivity through:

- One integrated experience that is easy to use
- Automation through built-in AI that boosts productivity, reducing cycle time for many tasks from hours to minutes
- Simplified licensing that makes the solution as easy to buy as it is to use
- AI-powered workflows for configuration, deployment, and management
- Inventory management simplifies budgeting, planning, and compliance

Wi-Fi 7 (802.11be) Technology

Wi-Fi 7 (802.11be) introduces benefits across the 2.4 GHz, 5 GHz, and 6 GHz bands with reduced latency and jitter for time-sensitive networking applications. Wi-Fi 7 capabilities such as 320 MHz channels, 4K-QAM, and Multi-link Operation (MLO) help enable superior speeds and high-density performance. The 6 GHz** band enables improved quality of service (QoS) in dense environments, new applications and use cases, and an improved user experience.

**6 GHz is country-dependent

Management Analytics

In conjunction with Extreme management systems, cloud or on premises, the AP5060U and AP5060D provide a rich dataset displayed via widgets, showing historical data or a combination of historical and current data. This provides context-specific granularity with perspective views for locations, network, APs, individual client devices, and policy roles. In each context, administrators can adjust dashboards from a widget library.

Integrated Bluetooth Low Energy

To support both IoT and guest engagement services, the AP5060U and AP5060D integrate Bluetooth® Low Energy (BLE) to connect with IoT devices wirelessly to engage loyalty customers with Apple iBeacon. Enterprises can use API-driven applications to send advertisements directly to shoppers, guests, and conference attendees. This makes it ideal for businesses to advertise their app download pages, captive portals, or site-specific information.

***Support available in future release**

Software-Defined Radios

The Wi-Fi 7 AP5060U and AP5060D feature two distinct software-defined radio (SDR) modes for different deployment scenarios. Dual 5 GHz and dual 6 GHz support high-density deployments with a dedicated sensor. Featuring quad radios, it can transmit with multiple combinations of three data radios across the 2.4 GHz, 5 GHz, and 6 GHz bands in addition to an always-on dedicated tri-band sensor. The AP5060U/D models intelligently monitor the software-configurable radios, enabling network managers to configure network RF technology based on the user environment and to configure the APs in different modes as required. The AP5060U/D feature superior tri-frequency radio performance with a multiband filter that reduces interference and enables 5 GHz and 6 GHz operation across all available channels without restriction.

Universal Hardware

The AP5060U and AP5060D are built with Extreme's Universal Hardware technology, allowing for multiple deployment use cases through a simple change of the software or feature set. This technology allows the user to choose between operating systems tailored to work with cloud- or controller-based management. The desired persona can be selected at startup or changed later. Universal hardware platforms increase flexibility and reduce obsolescence by allowing customers to gradually adopt new technologies without the need for a rip-and-replace approach to their hardware. Offered with a Universal World SKU AP, the AP5060U or the AP5060D allows organizations to order one model for any region where Extreme Networks products are sold, replacing the age-old problem of country-specific models.

Stadium-Ready

As the Official Wi-Fi Solutions Provider of the National Football League (NFL) and Major League Baseball (MLB), Extreme understands that no two stadium environments are alike. Whether it's field level, bowl seating, gate entrances, concierge areas, parking lots, or temporary sites, the AP5060U and AP5060D offer flexible deployment options—from underseat and pole mounts to software-selectable antennas—ensuring seamless coverage and an exceptional mobile experience throughout the venue.

Security

The AP5060U and AP5060D deliver the highest level of security services, beginning with support for the latest Wi-Fi Alliance WPA3 security certifications. It acts as an enforcement point for Extreme Platform ONE Security—the industry's most complete network access security solution. Extreme Platform ONE Security provides automated security policy enforcement and manages SSIDs to enforce policies on the AP5060U or AP5060D. Extreme Fabric adds additional security by automating provisioning and deployment by connecting to a Fabric-enabled switch. Additionally, the AP supports a stateful L2-L7 DPI firewall for context-based access security, tri-band security, a location analytics sensor, and much more.

Wi-Fi 7 Enhanced Capacity

By utilizing the additional 6 GHz spectrum offered by Wi-Fi 7, the AP5060U and AP5060D operate up to three times as much spectrum as previous generations of Wi-Fi to deliver enhanced wireless experiences, faster speeds, and less interference.

Band	Number of 20 MHz Channels	Maximum Channel Size	Maximum Throughput
6 GHz	59	320 MHz	11.5 Gbps
5 GHz	25	160 MHz	5.7 Gbps
2.4 GHz	3	40 MHz	1.3 Gbps
Total	87		18.5 Gbps

Dual 5 GHz or Dual 6 GHz Maximum Throughput

Band	Maximum Channel Size	Maximum Throughput
6 GHz	320 MHz	11.5 Gbps
5 GHz	160 MHz	5.7 Gbps
5 GHz (or 6 GHz)	160 MHz	5.7 Gbps
Total		22.9 Gbps

Product Specifications

Radio Specifications

Max Users

- SSID per Radio/Total: 8/24
- Users per Radio/total: 512/1536

802.11a

- 5.150–5.850 GHz Operating Frequency
- Orthogonal Frequency Division Multiplexing (OFDM) Modulation
- Rates (Mbps): 54, 48, 36, 24, 18, 12, 9, 6 w/auto fallback

802.11b

- 2.4–2.5 GHz Operating Frequency
- Direct-Sequence Spread-Spectrum (DSSS) Modulation
- Rates (Mbps): 11, 5.5, 2, 1 w/auto fallback

802.11g

- 2.4–2.5 GHz Operating Frequency
- Orthogonal Frequency Division Multiplexing (OFDM) Modulation
- Rates (Mbps): 54, 48, 36, 24, 18, 12, 9, 6 w/auto fallback

802.11n

- 2.4–2.5 GHz and 5.150–5.850 GHz Operating Frequency
- 802.11n Modulation
- HT20 High-Throughput (HT) Support (for both 2.4 GHz and 5 GHz)
- HT40 High-Throughput (HT) Support for 5 GHz
- A-MPDU and A-MSDU Frame Aggregation
- Rates: MCS0–MCS31 (6.5 Mbps–600 Mbps)

802.11ac

- 5.150–5.850 GHz Operating Frequency
- 802.11ac Modulation (256-QAM)
- 5G: 4x4 Multiple-In, Multiple-Out (MIMO) Radio
- 2.4G: 4x4 Multiple-In, Multiple-Out (MIMO) Radio
- Rates: MCS0–MCS9 (6.5 Mbps–3466 Mbps) NSS = 1–4
- 4x4:4 Stream Multiple-In, Multiple-Out (MIMO) Radio
- VHT20/VHT40/VHT80/VHT160
- TxBF (Transmit Beamforming)

802.11ax

- 2.4–2.5 GHz, 5.150–5.850 GHz, and 5.925–7.125 GHz Operating Frequencies
- 802.11ax Modulation (1024-QAM)
- Dual-band OFDMA
- Rates:
  - 6G: HE0–HE11 (8 Mbps–4800 Mbps)
  - 5G: HE0–HE11 (8 Mbps–4800 Mbps)
  - 2.4G: HE0–HE11 (8 Mbps–1148 Mbps)
- 4x4:4 Stream Multiple-In, Multiple-Out (MIMO) Radio @ 6 GHz
- 4x4:4 Stream Multiple-In, Multiple-Out (MIMO) Radio @ 5 GHz
- 4x4:4 Stream Multiple-In, Multiple-Out (MIMO) Radio @ 2.4 GHz
- HE20/HE40/HE80/HE160 support for 6 GHz
- HE20/HE40/HE80/HE160 support for 5 GHz
- HE20/HE40 support for 2.4 GHz
- DL SU-MIMO and MU-MIMO
- TxBF (Transmit Beamforming)

802.11be

- 2.4 GHz–2.5 GHz, 5.150 GHz–5.850 GHz, and 5.925 GHz–7.125 GHz Operating Frequencies
- 802.11be modulation (4096-QAM)
- Rates:
  - 6G: EHT0-EHT13 (8 Mbps–11,500 Mbps)
  - 5G: EHT0-EHT13 (8 Mbps–5,700 Mbps)
  - 2.4G: EHT0-EHT13 (8 Mbps–1,300 Mbps)
- 4x4:4 stream MIMO radio at 6 GHz
- 4x4:4 stream MIMO radio at 5 GHz
- 4x4:4 stream MIMO radio at 2.4 GHz
  EHT20/EHT40/EHT80/EHT160/EHT320 support for 6 GHz
  EHT20/EHT40/EHT80/EHT160 support for 5 GHz
- EHT20/EHT40 support for 2.4 GHz
- UL/DL SU-MIMO and MU-MIMO
- TxBF (Transmit Beamforming)

IoT Support

- (2) radios for Thread, Zigbee®, Bluetooth 5.4 Low Energy, IEEE 802.15.4

GPS Radio

- Support for L1 frequency (1575.42 MHz) and L5 frequency (1176.45 MHz)

Interfaces

- ETH0, ETH1: (2) wired Ethernet ports (RJ45)
  - ETH0: 100/1,000/2,500/5,000/10,000 Mbps autosensing link speed Ethernet port, PoE PD, MACsec (802.1AE)
  - ETH1: 100/1,000/2,500/5,000/10,000 Mbps autosensing link speed Ethernet port, PoE PD in or 15.4W PSE out mode (requires 802.3bt on ETH0), PoE Hitless failover
- 802.3az Energy-Efficient Ethernet (EEE)

Power Options

- Power Draw: 802.3at PoE: Typical 21W; Max 25.5W without PSE
- Power Draw: 802.3bt PoE: Typical 25W; Max 30W without PSE

Physical Specifications

Model	Dimensions	Weight
AP5060D	28.8 cm x 48.3 cm x 8.7 cm (11.34 in. x 19.02 in. x 3.43 in.)	10.27 lb (4.66 kg)
AP5060U	28.8 cm x 25.4 cm x 7.5 cm) (11.34 in. x 10.0 in. x 2.96 in.)	7.69 lb (3.49 kg)

Security

- Trusted Platform Module (TPM)

Mounting

- 15 Degree tilt: KT-147407-02
- 12" Extension: KT-150173-01
- 80 Degree tilt + Ext: MBO-ART03
- Underseat: EIO-04

Environmental

Environmental Specifications

- Operating: -40°C to 60°C (-40°F to 140°F) with solar load
- Storage: -40°C to 70°C (-40°F to 158°F)
- Humidity: 0% to 95% (non-condensing)
- Wind resistance up to 165 mph (241 km/h) sustained winds

Environmental Compliance

- EU RoHS – 2011/65/EU & Amendments (EU) 2015/863
- EU WEEE – 2012/19/EU
- EU REACH - Regulation (EC) No 1907/2006 – Reporting
- EU SCIP – EU Waste Framework Directive
- China RoHS – 2 SJ/T 11364-2014
- Taiwan RoHS CNS 15663 (2013.7)

Regulatory Compliance

Radio Standards USA

- Part 15C - 15.247
- Part 15E - 15.407
- RF exposure - FCC Part 1.1307
- IEC 60601-1-2 EMC for medical devices

Radio Standards Canada

- RSS 247 for 2.4 GHz and 5 GHz
- RSS 248 6 GHz RLAN
- RF exposure - RSS-102: Issue 5, 2015

Radio Standards CE

- 2014/53/EU Radio Equipment Directive
- EN 300 328, EN 301 893, EN 302 502, EN 300 440
- EN 301 489-1, EN 301 489-17, EN 62311, EN 62479

Regulatory and Safety

North American ITE

- UL 60950-1 2nd edition Listed device (U.S.)
- CSA 22.2 No. 60950-1 2nd edition 2014 (Canada)
- UL/CuL 62368-1 Listed
- UL 2043 Plenum rated

European ITE

- EN 62368-1
- 2014/35/EU Low Voltage Directive

International ITE

- CB Report and Certificate per IEC 60950-1 + National Differences
- CB Report and IEC 62368-1
- AS/NZS 60950-1 (Australia /New Zealand)

EMI/EMC Standards

North American EMC Standards

- FCC CFR 47 part 15 Class B (USA)
- ICES-003 Class B (Canada)

European EMC Standards

- EN 55032 Class B
- EN 55024
- EN 55035
- EN 55011, EN 60601-1-2
- EN 61000-3-2: (Harmonics)
- EN 61000-3-3 (Flicker)
- 2014/30/EU EMC Directive

International EMC Certifications

- CISPR 32 Class B (International Emissions)
- AS/NZS CISPR32
- CISPR 24/CISPR 35 (International Immunity)

Wi-Fi Alliance Certifications*

Connectivity	Wi-Fi CERTIFIED™ 7 Wi-Fi CERTIFIED™ 6 Release 2 Wi-Fi CERTIFIED™ a, b, g, n, ac Wi-Fi Enhanced Open™
Optimization	WMM® Wi-Fi Agile Multiband™
Security	Protected Management Frames WPA™ – Enterprise, Personal WPA2™ – Enterprise, Personal WPA3™ – Enterprise, Personal

*Certification tests in progress as of publication

Antenna Gain Matrix

Max Antenna Gain (AP5060U)

Operational Mode	Radio 1	Radio 2	Radio 3	Scan Radio	IoT Radio 1	IoT Radio 2
1	2.4 GHz - 2.1 dBi	5 GHz - 6.8 dBi	6 GHz - 6.7 dBi	2.4 GHz - 2.9 dBi 5 GHz – 7 dBi 6 GHz - 6.9 dBi	5.4 dBi	4 dBi
2	5 GHz - 5.4 dBi	5 GHz - 6.8 dBi	6 GHz - 6.7 dBi	2.4 GHz - 2.9 dBi 5 GHz – 7 dBi 6 GHz - 6.9 dBi	5.4 dBi	4 dBi
3	6 GHz – 6 dBi	5 GHz - 6.8 dBi	6 GHz - 6.7 dBi	2.4 GHz - 2.9 dBi 5 GHz – 7 dBi 6 GHz - 6.9 dBi	5.4 dBi	4 dBi

Max Antenna Gain (AP5060D – 20 Degrees – Narrow Beam)

Operational Mode	Radio 1	Radio 2	Radio 3	Scan Radio	IoT Radio 1	IoT Radio 2
1	2.4 GHz – N/A	5 GHz - 10.2 dBi	6 GHz - 11.1 dBi	N/A	N/A	N/A
2	5 GHz - 10.8 dBi	5 GHz - 10.2 dBi	6 GHz - 11.1 dBi	N/A	N/A	N/A
3	6 GHz – 11 dBi	5 GHz - 10.2 dBi	6 GHz - 11.1 dBi	N/A	N/A	N/A

Max Antenna Gain (AP5060D – 70 Degrees – Wide Beam)

Operational Mode	Radio 1	Radio 2	Radio 3	Scan Radio	IoT Radio 1	IoT Radio 2
1	2.4 GHz - 7.9 dBi	5 GHz - 7.6 dBi	6 GHz - 6.1 dBi	2.4 GHz - 8.2 dBi 5 GHz - 8.1 dBi 6 GHz - 8.8 dBi	4.8 dBi	5.3 dBi
2	5 GHz - 7.7 dBi	5 GHz - 7.6 dBi	6 GHz - 6.1 dBi	2.4 GHz - 8.2 dBi 5 GHz - 8.1 dBi 6 GHz - 8.8 dBi	4.8 dBi	5.3 dBi
3	6 GHz - 7.5 dBi	5 GHz - 7.6 dBi	6 GHz - 6.1 dBi	2.4 GHz - 8.2 dBi 5 GHz - 8.1 dBi 6 GHz - 8.8 dBi	4.8 dBi	5.3 dBi

Power and Sensitivity Tables

Power and Sensitivity – 2.4 GHz Radio

Channel	Data Rate	Power (dBm)	Sensitivity (dBm)
11b	1 - 11 Mbps	18	-93, -87
11g	6 Mbps	18	-93
	54 Mbps	16	-75
11n HT20	MCS0,7	18, 16	-93, -75
11n HT40	MCS0,7	18, 16	-90, -72
11ax HE20	HE0,11	18, 14	-93, -63
11ax HE40	HE0,11	18, 14	-90, -60
11be EHT20	EHT1,13	18, 12	-92, -58
11be EHT40	EHT1,13	18, 12	-89, -55

Power and Sensitivity - 2.4 GHz Radio – Sensor

Channel	Data Rate	Power (dBm)	Sensitivity (dBm)
11b	1 - 11 Mbps	18	-94, -88
11g	6 Mbps	18	-94
	54 Mbps	16	-76
11n HT20	MCS0,7	18, 16	-94, -76
11n HT40	MCS0,7	18, 16	-91, -73
11ax HE20	HE0,11	18, 14	-94, -65
11ax HE40	HE0,11	18, 14	-91, -62
11be EHT20	EHT1,13	18, 12	-94, -59
11be EHT40	EHT1,13	18, 12	-91, -56

Power and Sensitivity – 5 GHz Full Radio

Channel	Data Rate	Power (dBm)	Sensitivity (dBm)
11a	6 Mbps	18	-93
	54 Mbps	16	-73
11n HT20	MCS0,7	18, 16	-93, -73
11n HT40	MCS0,7	18, 16	-91, -71
11ac VHT20	MCS0,8	18, 15	-92, -70
11ac VHT40	MCS0,9	18, 15	-90, -65
11ac VHT80	MCS0,9	18, 15	-88, -63
11ac VHT160	MCS0,9	17, 14	-85, -61
11ax HE20	HE0,11	18, 14	-92, -62
11ax HE40	HE0,11	18, 14	-90, -60
11ax HE80	HE0,11	18, 14	-87, -58
11ax HE160	HE0,11	17, 13	-85, -55
11be EHT20	EHT0,13	18, 12	-92, -55
11be EHT40	EHT0,13	18, 12	-89, -53
11be EHT80	EHT0,13	18, 12	-86, -50
11be EHT160	EHT0,13	17, 12	-84, -47

Power and Sensitivity – 5 GHz Radio - High

Channel	Data Rate	Power (dBm)	Sensitivity (dBm)
11a	6 Mbps	17	-92
	54 Mbps	15	-73
11n HT20	MCS0,7	17, 15	-92, -73
11n HT40	MCS0,7	16, 15	-90, -71
11ac VHT20	MCS0,8	17, 14	-92, -70
11ac VHT40	MCS0,9	16, 14	-90, -65
11ac VHT80	MCS0,9	16, 14	-88, -63
11ac VHT160	MCS0,9	16, 14	-85, -61
11ax HE20	HE0,11	17, 13	-92, -62
11ax HE40	HE0,11	16, 13	-89, -60
11ax HE80	HE0,11	16, 13	-87, -58
11ax HE160	HE0,11	16, 13	-85, -56
11be EHT20	EHT0,13	17, 12	-91, -55
11be EHT40	EHT0,13	16, 12	-88, -53
11be EHT80	EHT0,13	16, 12	-85, -50
11be EHT160	EHT0,13	16, 12	-82, -48

Power and Sensitivity – 5 GHz Radio - Low

Channel	Data Rate	Power (dBm)	Sensitivity (dBm)
11a	6 Mbps	17	-93
	54 Mbps	15	-74
11n HT20	MCS0,7	17, 15	-93, -74
11n HT40	MCS0,7	16, 15	-91, -71
11ac VHT20	MCS0,8	17, 14	-93, -70
11ac VHT40	MCS0,9	16, 14	-91, -66
11ac VHT80	MCS0,9	16, 14	-88, -63
11ac VHT160	MCS0,9	15, 14	-85, -61
11ax HE20	HE0,11	17, 13	-93, -62
11ax HE40	HE0,11	16, 13	-91, -60
11ax HE80	HE0,11	16, 13	-87, -58
11ax HE160	HE0,11	15, 13	-85, -56
11be EHT20	EHT0,13	17, 12	-92, -56
11be EHT40	EHT0,13	16, 12	-91, -54
11be EHT80	EHT0,13	16, 12	-86, -51
11be EHT160	EHT0,13	15, 12	-84, -48

Power and Sensitivity – 5 GHz Radio – Sensor

Channel	Data Rate	Power (dBm)	Sensitivity (dBm)
11a	6 Mbps	18	-95
	54 Mbps	16	-75
11n HT20	MCS0,7	18, 16	-95, -75
11n HT40	MCS0,7	18, 16	-92, -73
11ac VHT20	MCS0,8	18, 15	-95, -72
11ac VHT40	MCS0,9	18, 15	-92, -67
11ac VHT80	MCS0,9	18, 15	-90, -65
11ac VHT160	MCS0,9	17, 14	-87, -63
11ax HE20	HE0,11	18, 14	-95, -64
11ax HE40	HE0,11	18, 14	-92, -62
11ax HE80	HE0,11	18, 14	-89, -60
11ax HE160	HE0,11	17, 13	-87, -57
11be EHT20	EHT0,13	18, 12	-95, -57
11be EHT40	EHT0,13	18, 12	-91, -55
11be EHT80	EHT0,13	18, 12	-88, -52
11be EHT160	EHT0,13	17, 12	-86, -49

Power and Sensitivity – 6 GHz Full Radio

Channel	Data Rate	Power (dBm)	Sensitivity (dBm)
11a	6 Mbps	17	-92
	54 Mbps	16	-73
11n HT20	MCS0,7	17, 16	-92, -73
11n HT40	MCS0,7	17, 16	-90, -71
11ac VHT20	MCS0,8	17, 15	-92, -69
11ac VHT40	MCS0,9	17, 15	-90, -65
11ac VHT80	MCS0,9	17, 15	-87, -62
11ac VHT160	MCS0,9	15, 15	-85, -59
11ax HE20	HE0,11	17, 14	-92, -62
11ax HE40	HE0,11	17, 14	-90, -59
11ax HE80	HE0,11	17, 14	-87, -56
11ax HE160	HE0,11	15, 14	-85, -53
11be EHT20	EHT0,13	17, 12	-92, -56
11be EHT40	EHT0,13	17, 12	-90, -54
11be EHT80	EHT0,13	17, 12	-87, -51
11be EHT160	EHT0,13	15, 12	-84, -48
11be EHT320	EHT0, 13	15, 12	-81, -45

Power and Sensitivity – 6 GHz Radio - High

Channel	Data Rate	Power (dBm)	Sensitivity (dBm)
11a	6 Mbps	16	-91
	54 Mbps	15	-73
11n HT20	MCS0,7	16, 15	-91, -73
11n HT40	MCS0,7	16, 15	-89, -70
11ac VHT20	MCS0,8	16, 14	-91, -69
11ac VHT40	MCS0,9	15, 14	-89, -65
11ac VHT80	MCS0,9	15, 14	-86, -62
11ac VHT160	MCS0,9	14, 13	-83, -59
11ax HE20	HE0,11	16, 13	-91, -62
11ax HE40	HE0,11	15, 13	-89, -59
11ax HE80	HE0,11	15, 13	-86, -56
11ax HE160	HE0,11	14, 13	-83, -53
11be EHT20	EHT0,13	16, 12	-91, -55
11be EHT40	EHT0,13	15, 12	-89, -52
11be EHT80	EHT0,13	15, 12	-86, -49
11be EHT160	EHT0,13	14, 12	-83, -47

Power and Sensitivity – 6 GHz Radio - Low

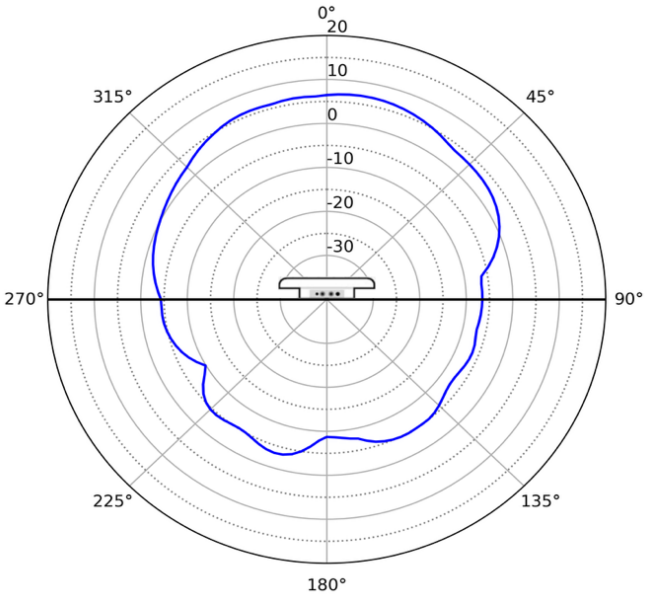
Channel	Data Rate	Power (dBm)	Sensitivity (dBm)
11a	6 Mbps	17	-92
	54 Mbps	15	-73
11n HT20	MCS0,7	17, 15	-92, -73
11n HT40	MCS0,7	16, 15	-89, -70
11ac VHT20	MCS0,8	17, 14	-92, -69
11ac VHT40	MCS0,9	16, 14	-89, -65
11ac VHT80	MCS0,9	16, 14	-86, -62
11ac VHT160	MCS0,9	15, 14	-83, -59
11ax HE20	HE0,11	17, 13	-92, -62
11ax HE40	HE0,11	16, 13	-89, -59
11ax HE80	HE0,11	16, 13	-86, -56
11ax HE160	HE0,11	15, 13	-83, -53
11be EHT20	EHT0,13	17, 12	-91, -55
11be EHT40	EHT0,13	16, 12	-89, -52
11be EHT80	EHT0,13	16, 12	-86, -49
11be EHT160	EHT0,13	15, 12	-83, -47
11be EHT320	EHT0, 13	15, 12	-80, -45

Power and Sensitivity – 6 GHz Radio - Sensor

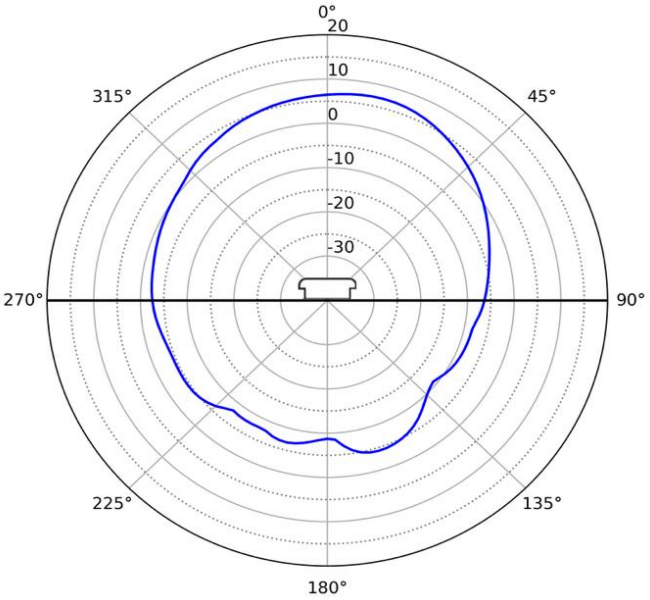
Channel	Data Rate	Power (dBm)	Sensitivity (dBm)
11a	6 Mbps	18	-93
	54 Mbps	16	-75
11n HT20	MCS0,7	18, 16	-93, -74
11n HT40	MCS0,7	18, 16	-91, -72
11ac VHT20	MCS0,8	18, 15	-93, -70
11ac VHT40	MCS0,9	18, 15	-91, -66
11ac VHT80	MCS0,9	18, 15	-88, -63
11ac VHT160	MCS0,9	17, 14	-86, -60
11ax HE20	HE0,11	18, 14	-93, -63
11ax HE40	HE0,11	18, 14	-91, -60
11ax HE80	HE0,11	18, 14	-88, -57
11ax HE160	HE0,11	17, 13	-86, -55
11be EHT20	EHT0,13	18, 12	-93, -58
11be EHT40	EHT0,13	18, 12	-91, -55
11be EHT80	EHT0,13	18, 12	-88, -52
11be EHT160	EHT0,13	17, 12	-86, -50
11be EHT320	EHT0, 13	17, 12	-83, -48

Radiation Patterns – AP5060D

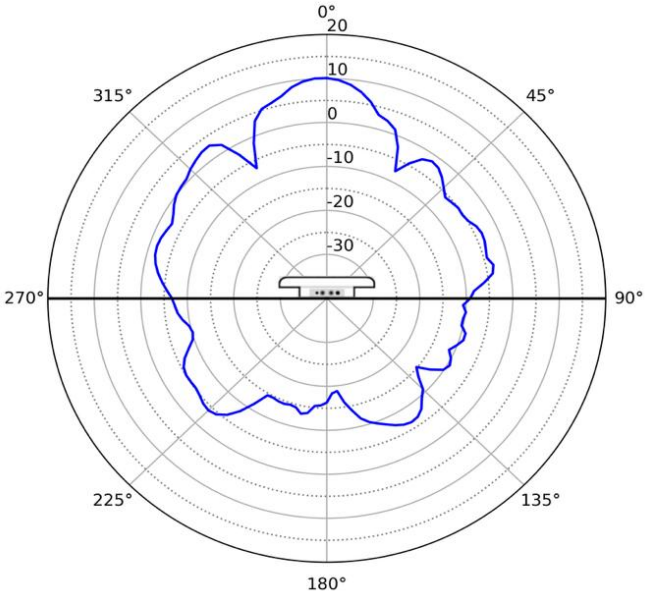
2G Azimuth



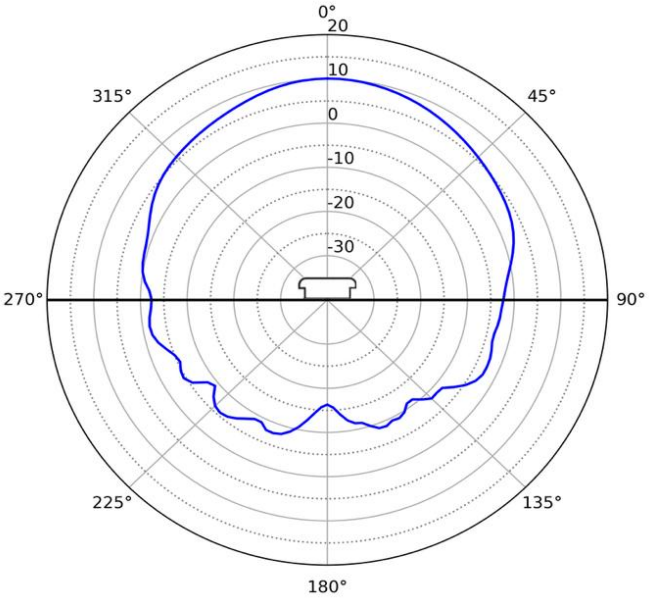
2G Elevation



5G Narrow Azimuth

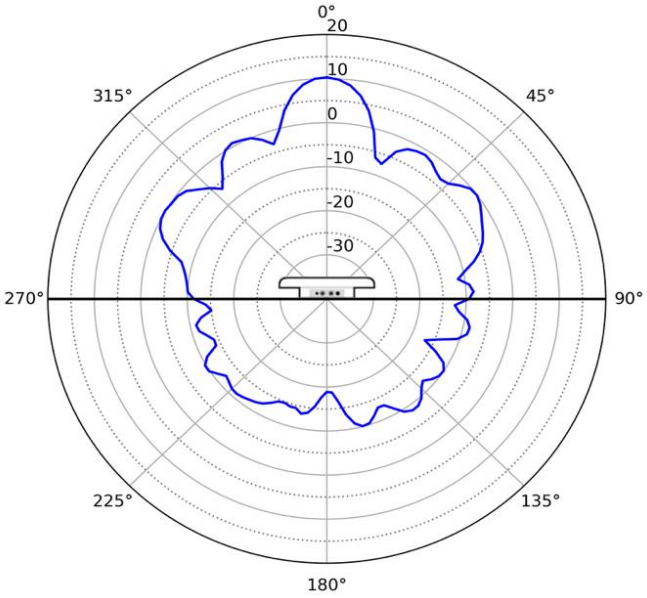


5G Narrow Elevation

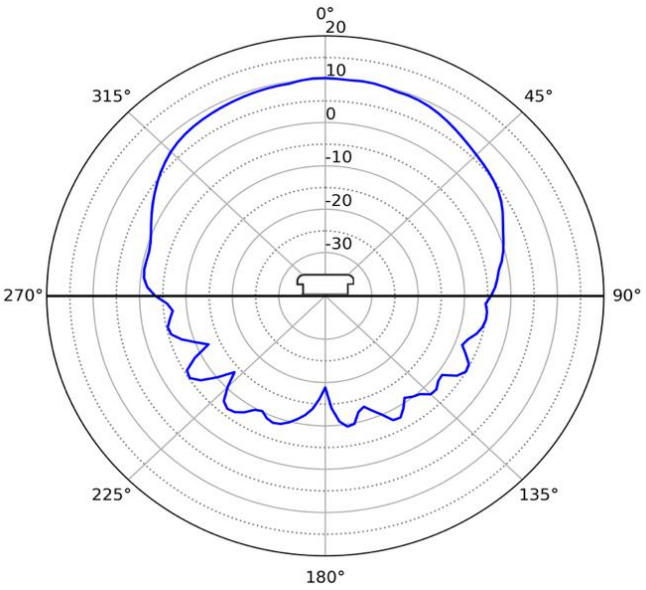


Radiation Patterns – AP5060D

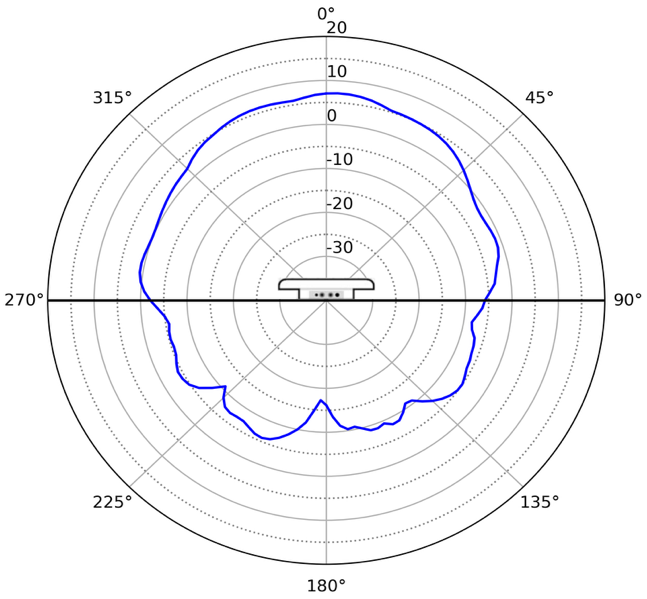
6G Narrow Azimuth



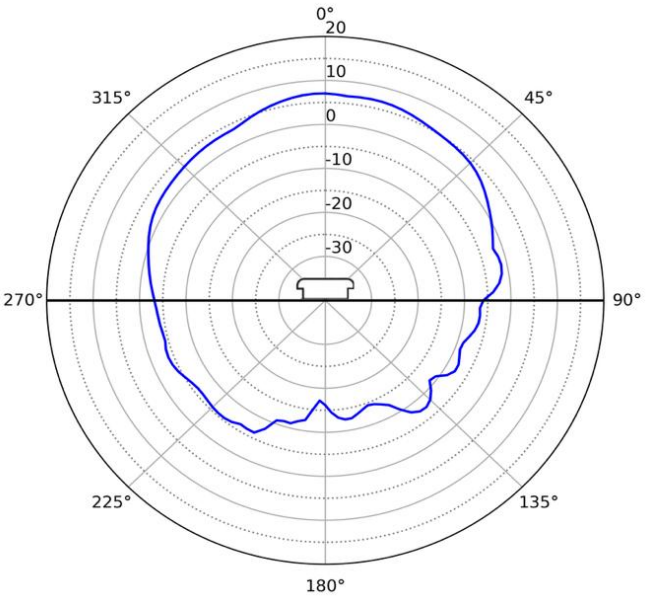
6G Narrow Elevation



5G Wide Azimuth

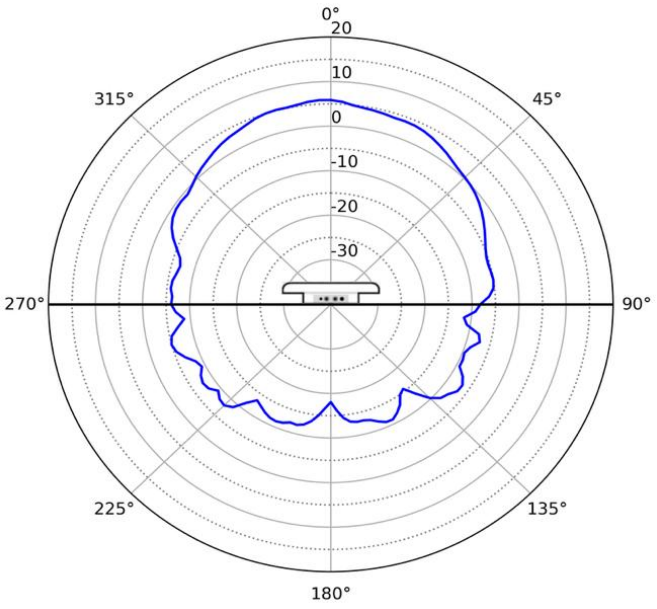


5G Wide Elevation

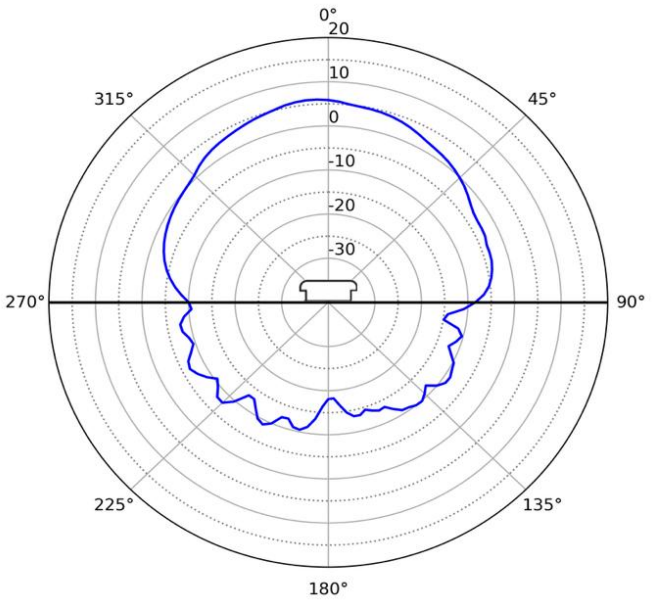


Radiation Patterns – AP5060D

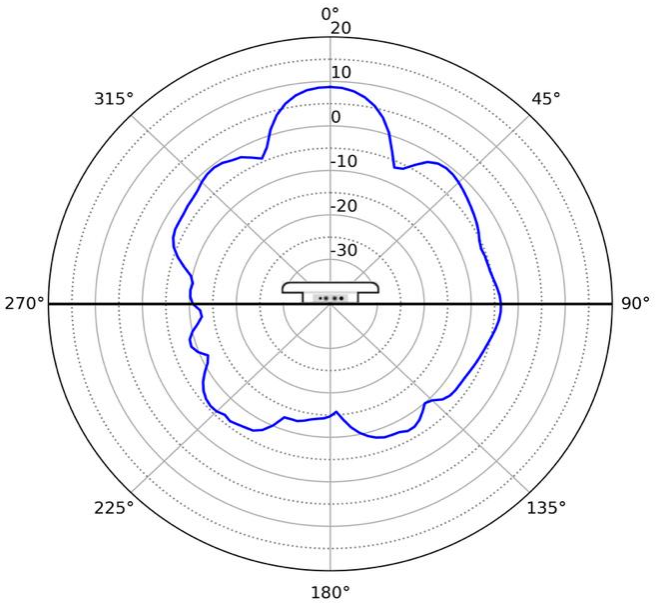
6G Wide Azimuth



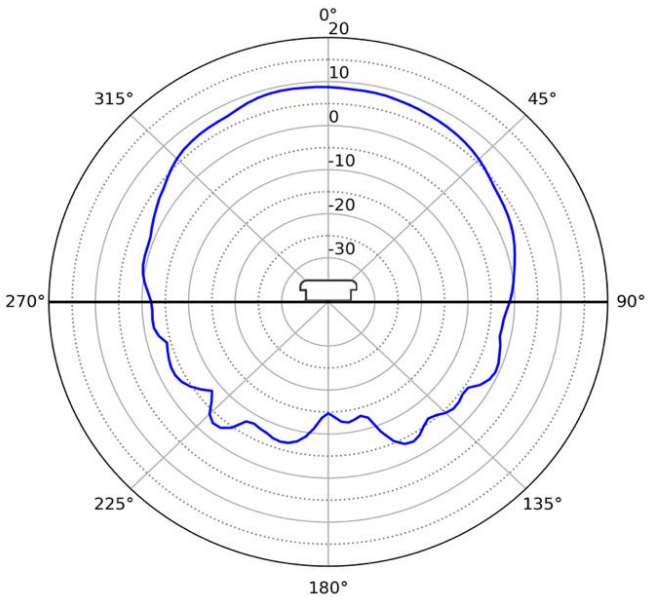
6G Wide Elevation



5G Narrow Low Azimuth

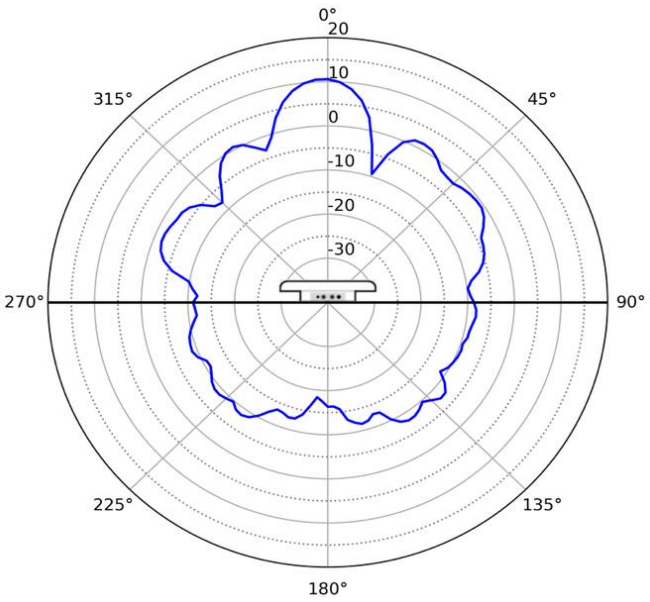


5G Narrow Low Elevation

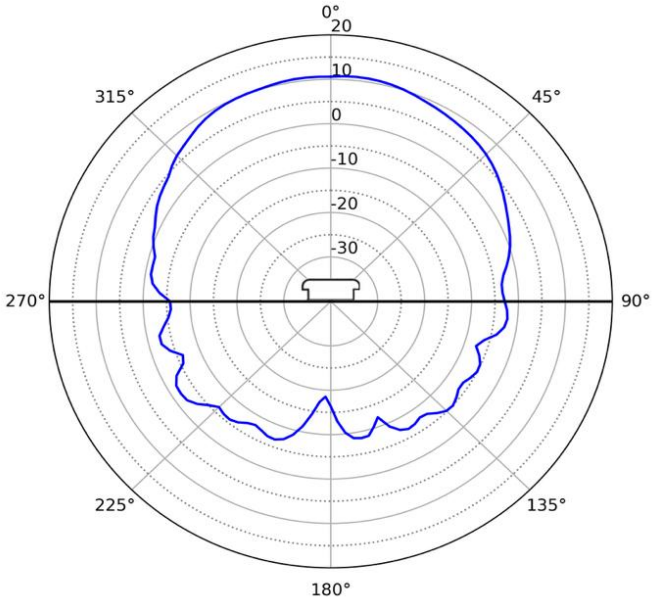


Radiation Patterns – AP5060D

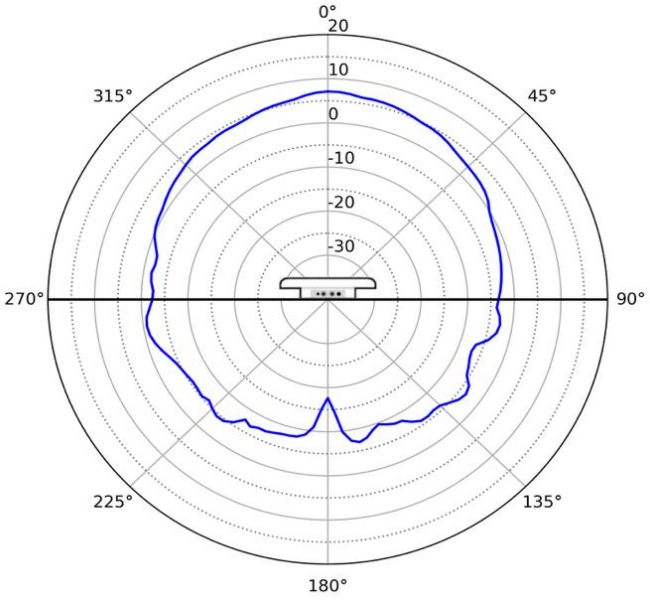
6G Narrow High Azimuth



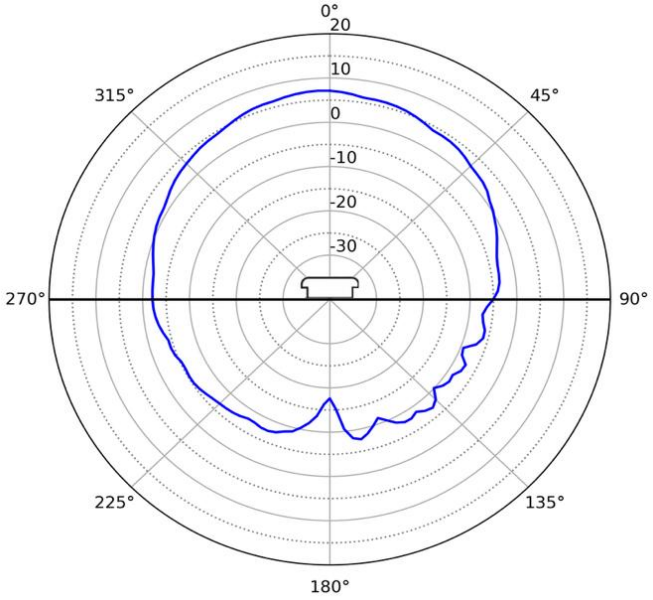
6G Narrow High Elevation



5G Wide Low Azimuth

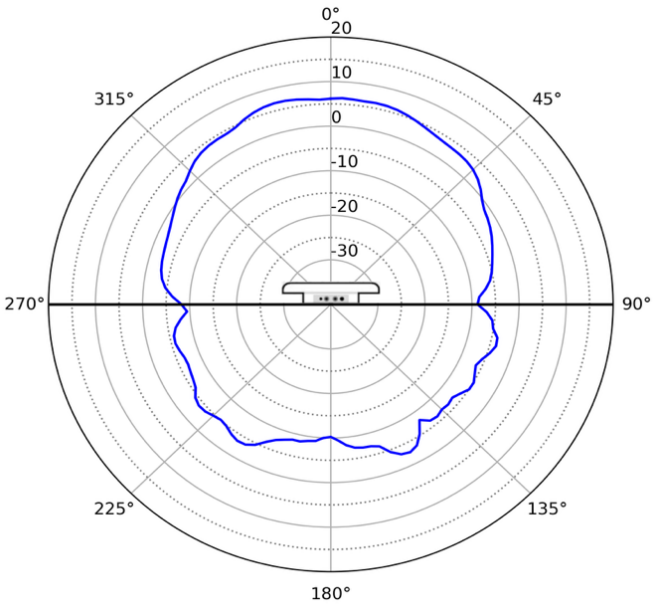


5G Wide Low Elevation

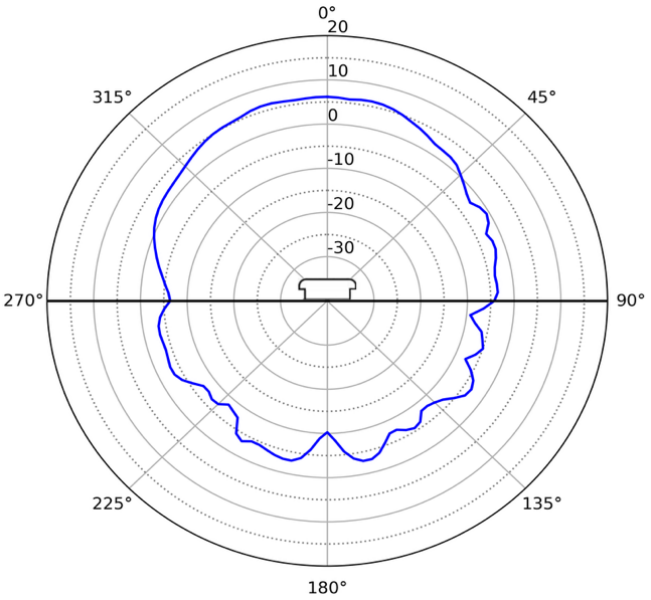


Radiation Patterns – AP5060D

6G Wide High Azimuth

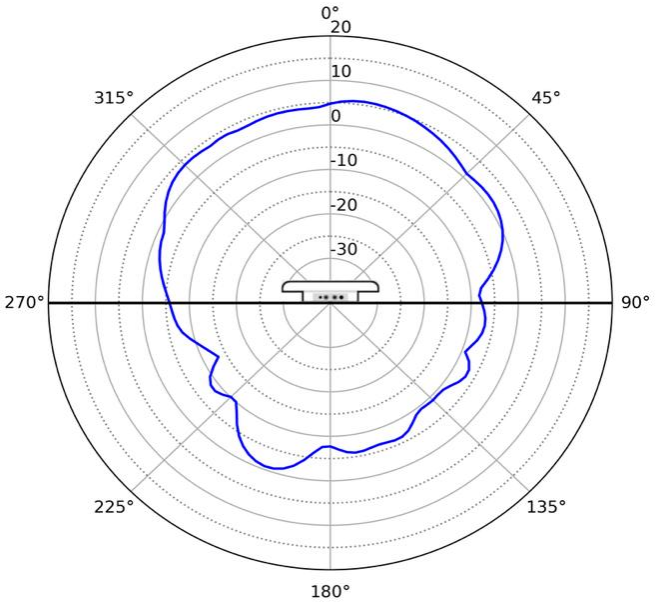


6G Wide High Elevation

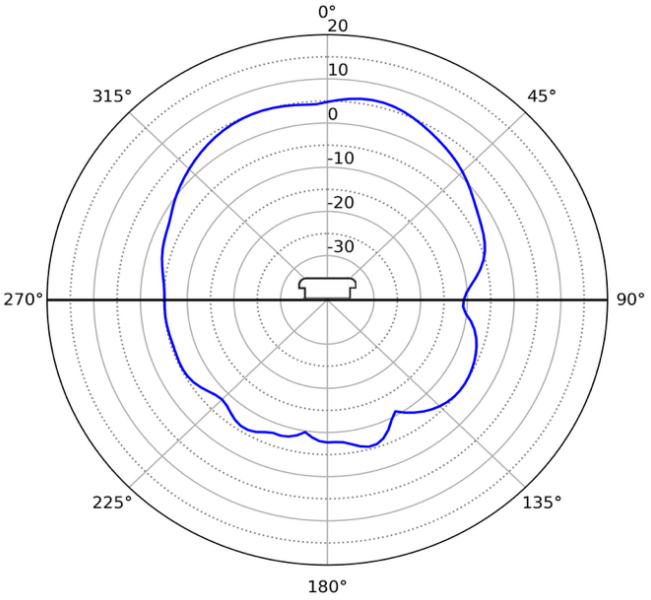


Radiation Patterns – AP5060D - Sensor

2G Sensor Azimuth

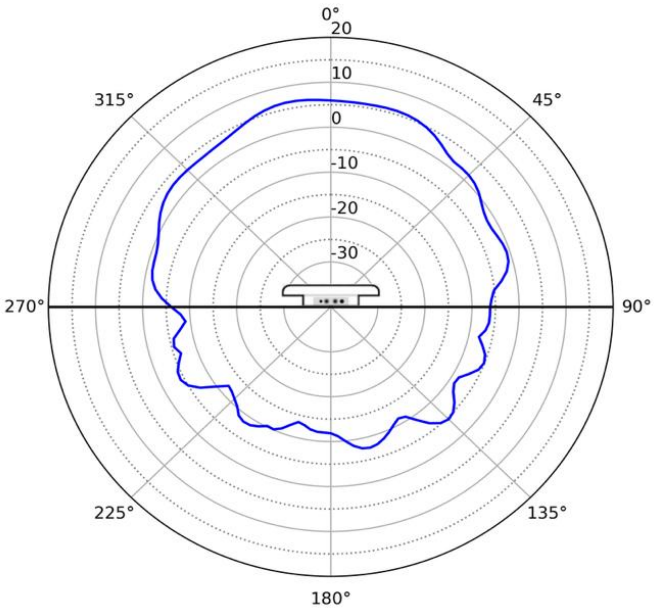


2G Sensor Elevation

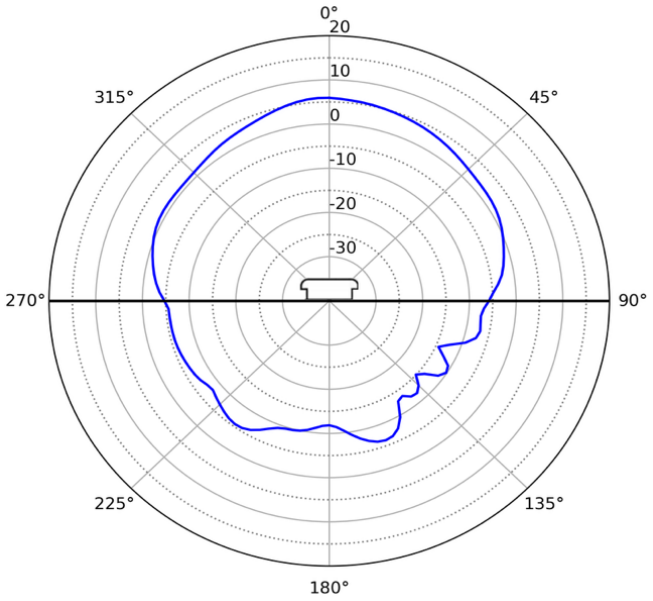


Radiation Patterns – AP5060D – Sensor

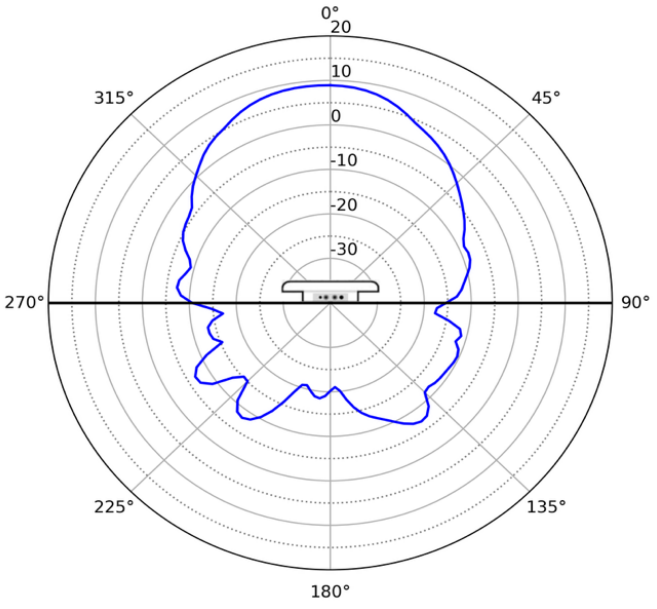
5G Sensor Azimuth



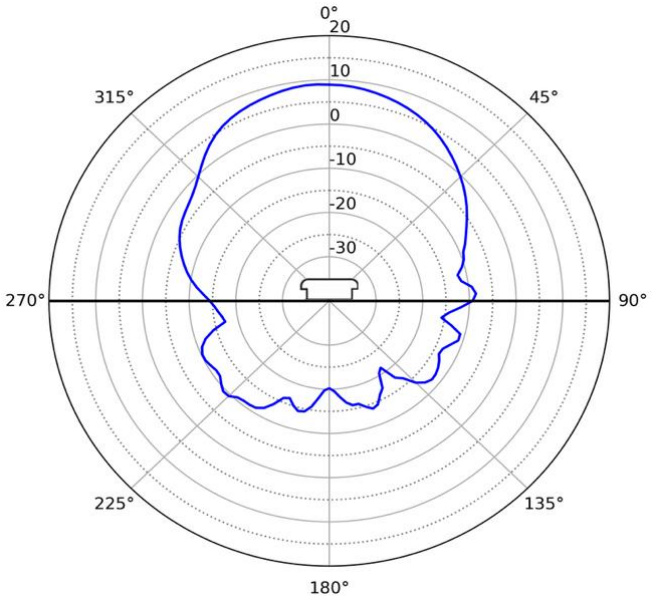
5G Sensor Elevation



6G Sensor Azimuth

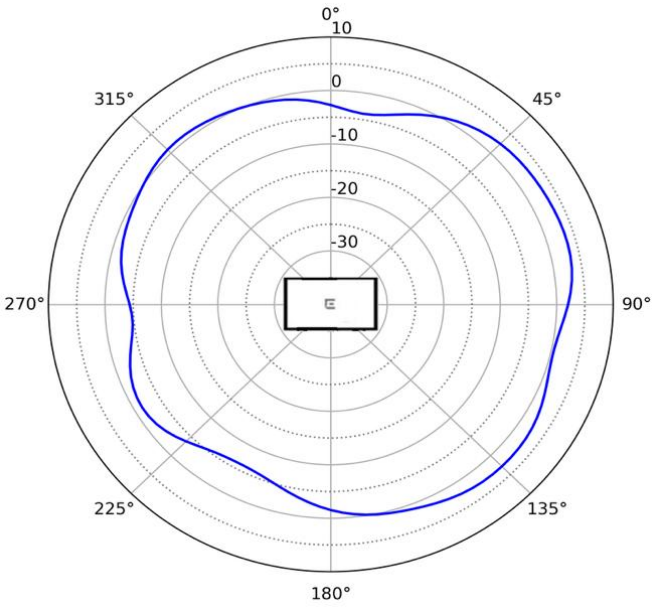


6G Sensor Elevation

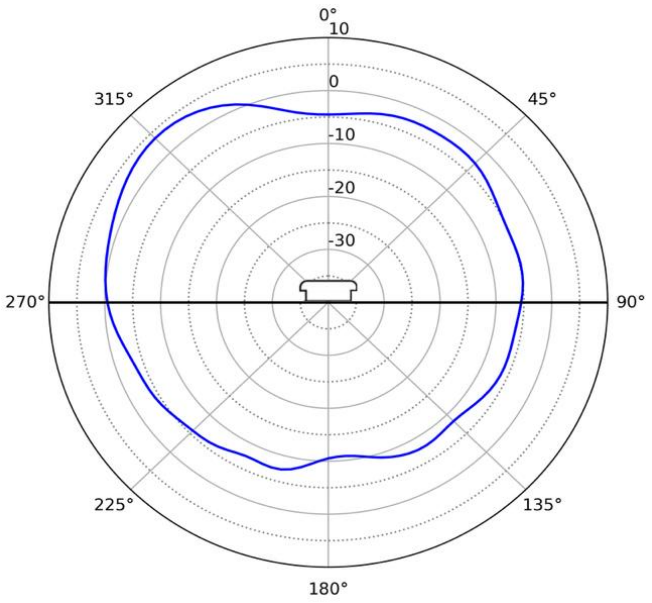


Radiation Patterns – AP5060D – BLE Radios

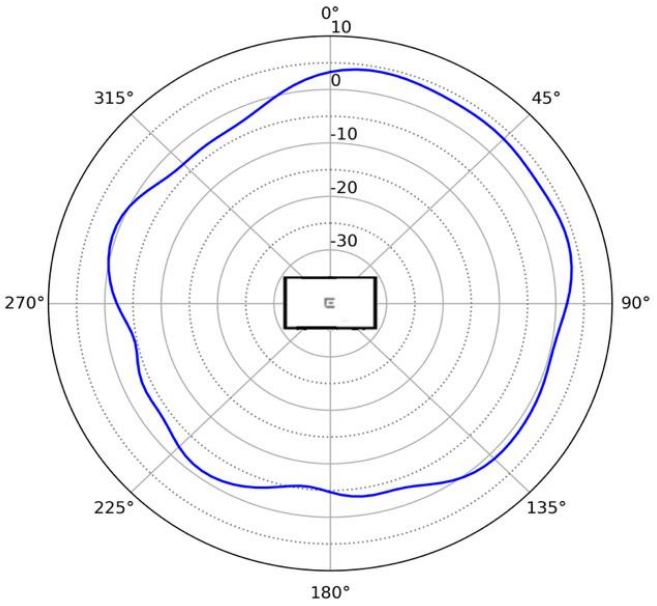
BLE R1 Azimuth



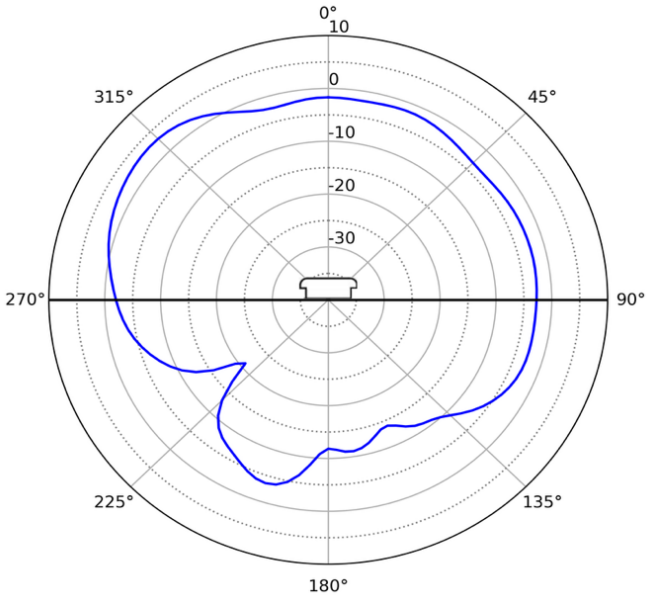
BLE R1 Elevation



BLE R2 Azimuth

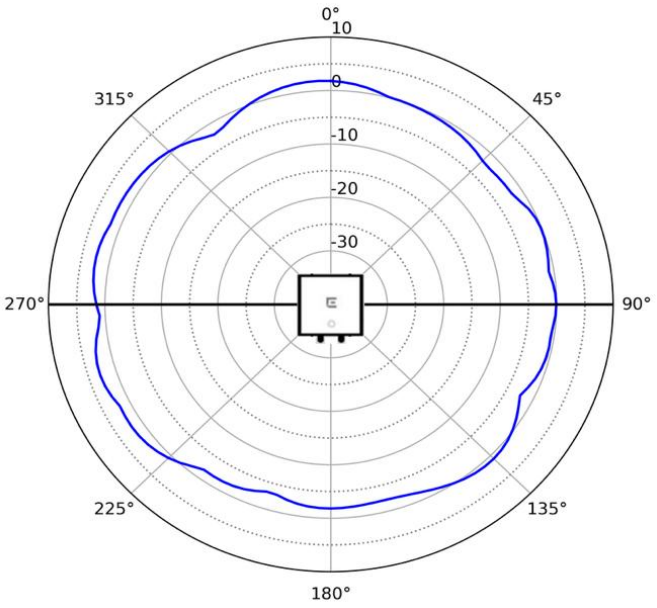


BLE R2 Elevation

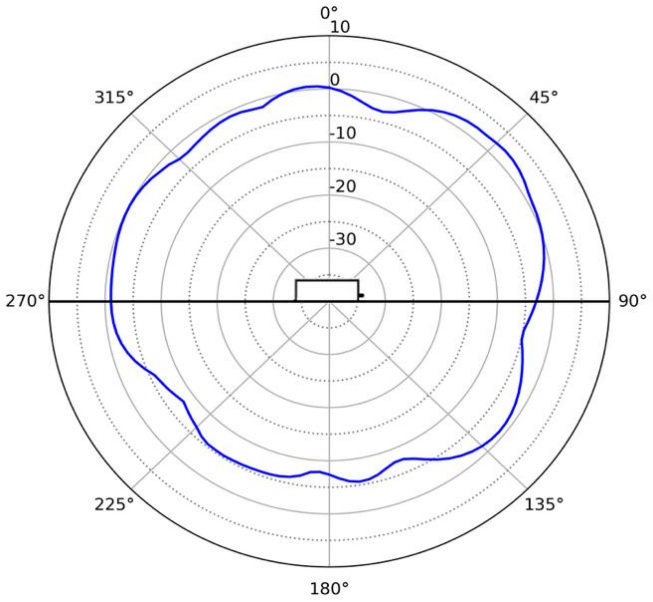


Radiation Patterns – AP5060U

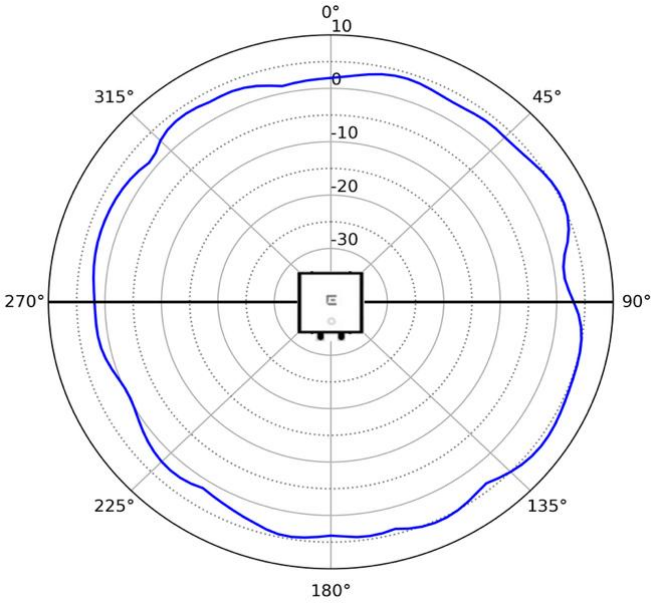
2G Azimuth



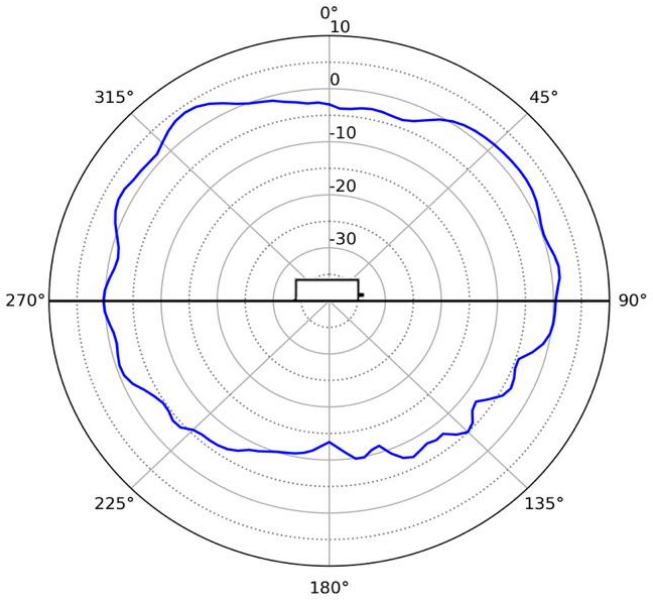
2G Elevation



5G Azimuth

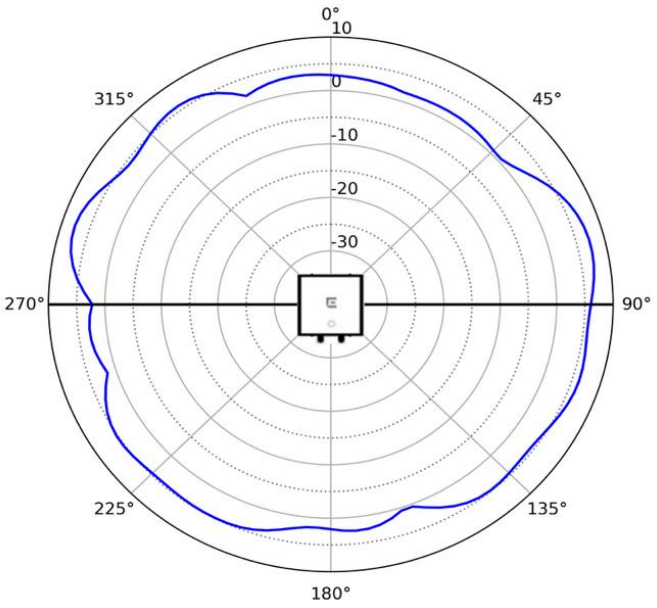


5G Elevation

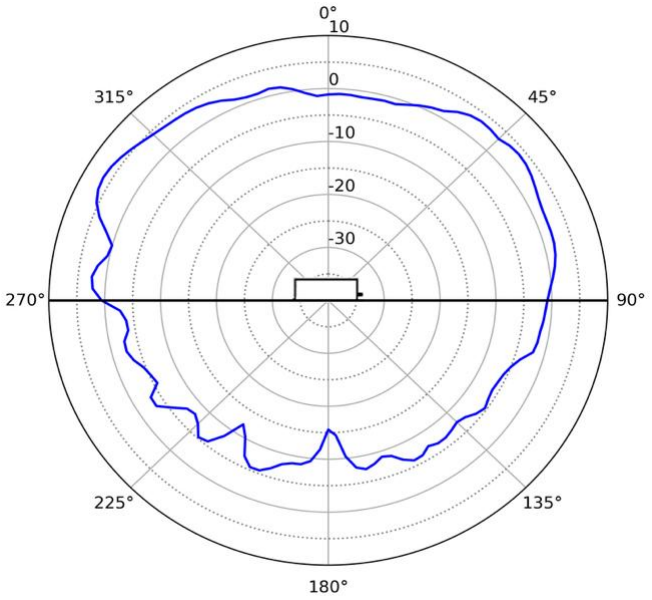


Radiation Patterns – AP5060U

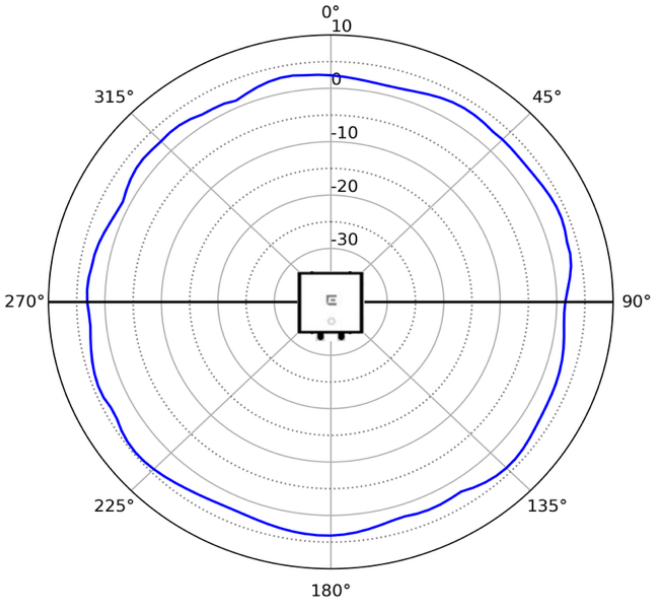
6G Azimuth



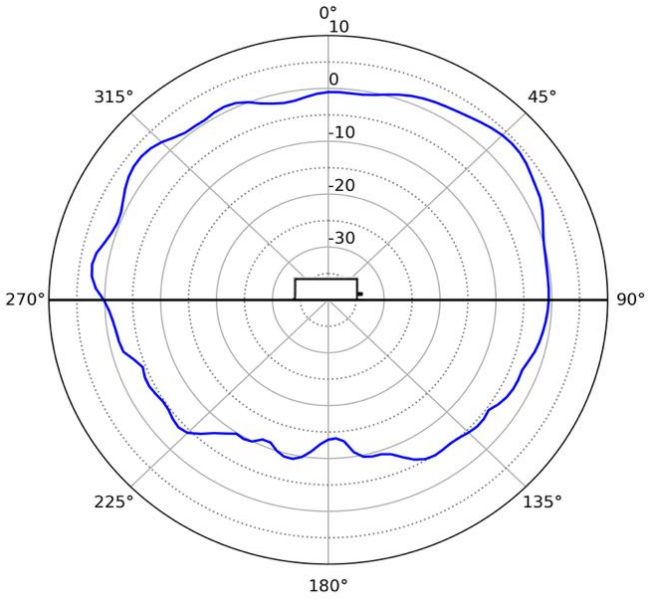
6G Elevation



5G Low Azimuth

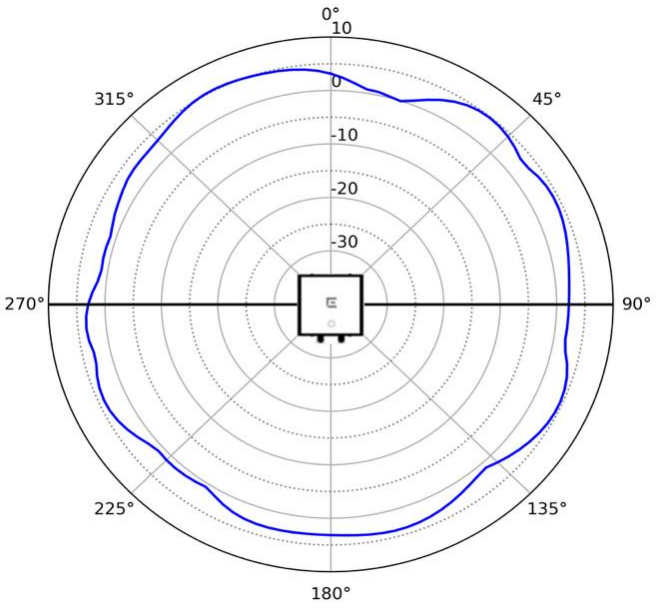


5G Low Elevation

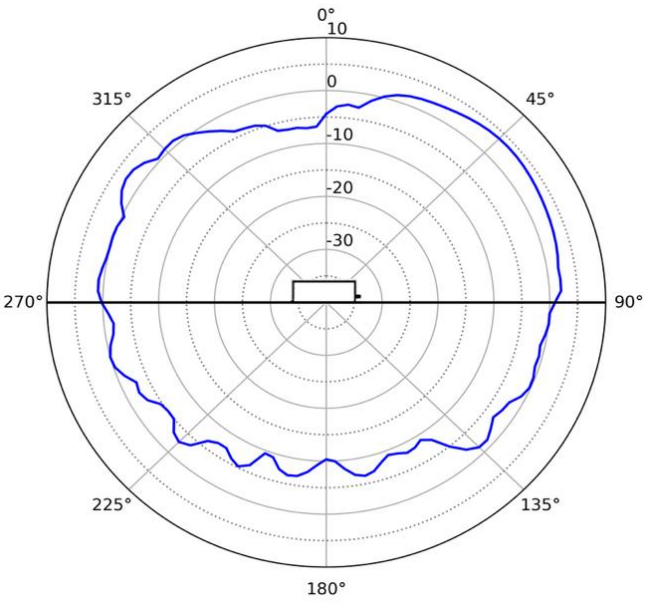


Radiation Patterns – AP5060U

6G High Azimuth

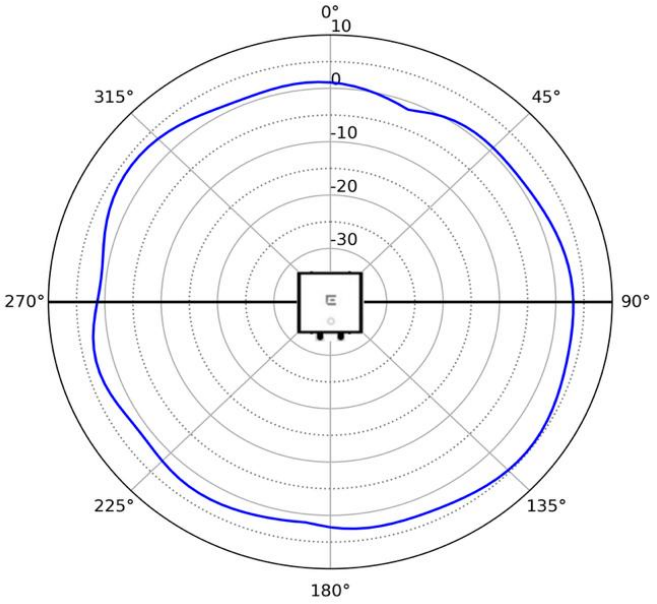


6G High Elevation

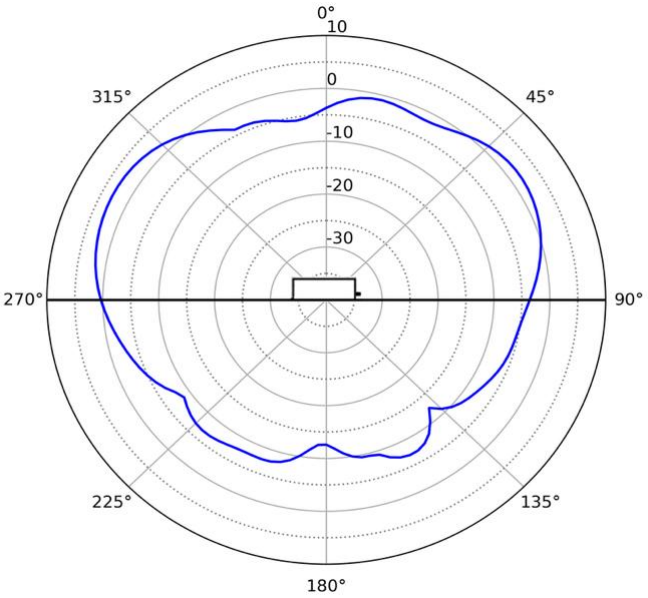


Radiation Patterns – AP5060U - Sensor

2G Sensor Azimuth

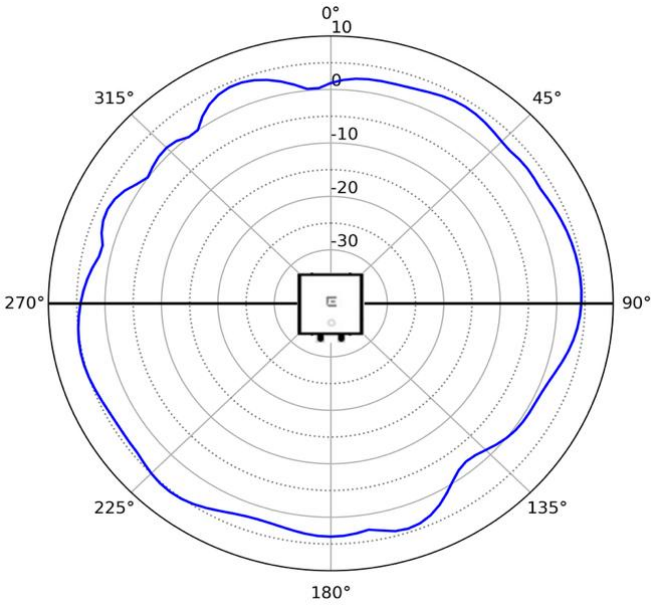


2G Sensor Elevation

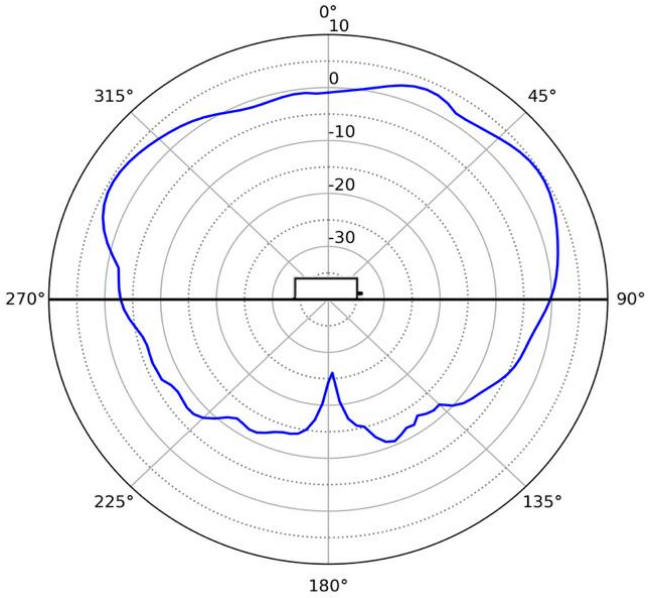


Radiation Patterns – AP5060U – Sensor

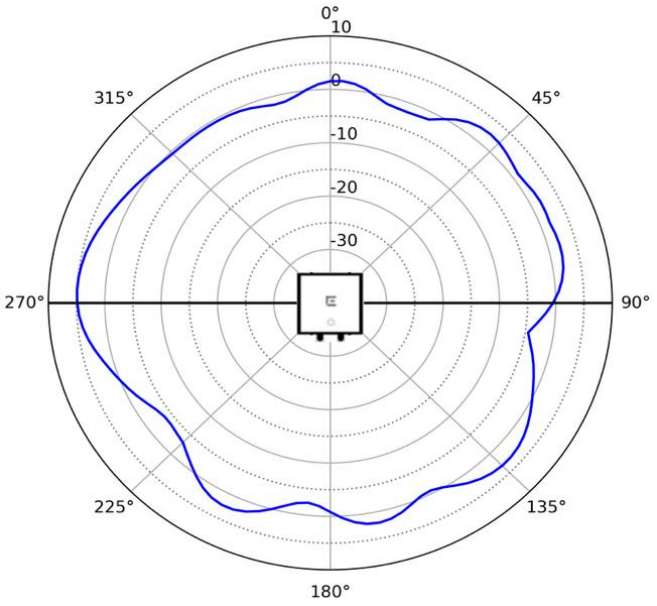
5G Sensor Azimuth



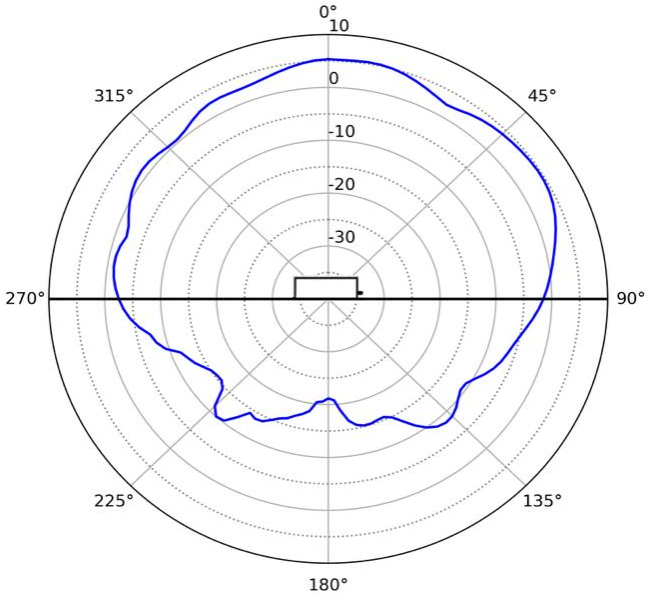
5G Sensor Elevation



6G Sensor Azimuth

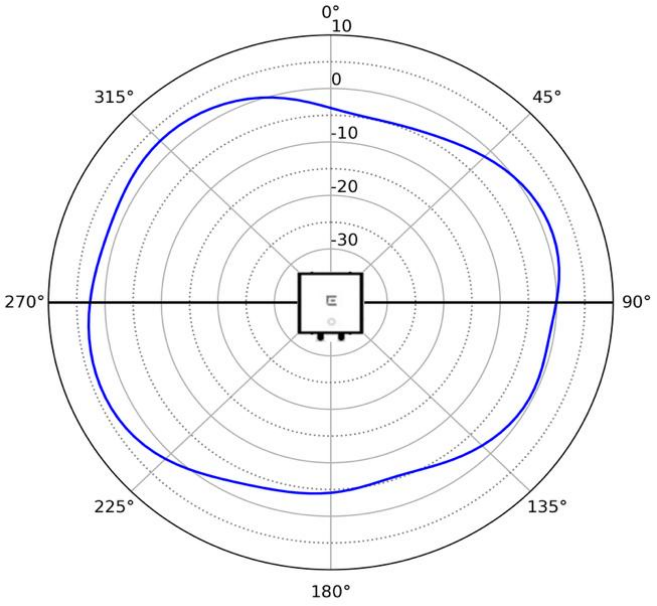


6G Sensor Elevation

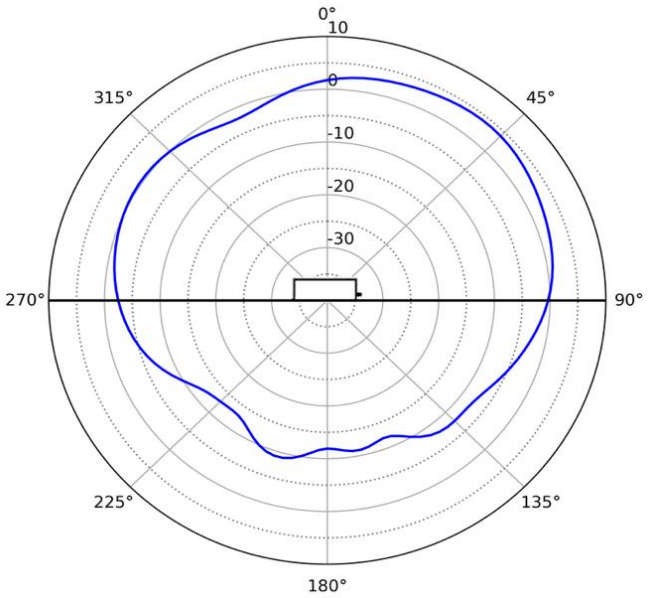


Radiation Patterns – AP5060U – BLE Radios

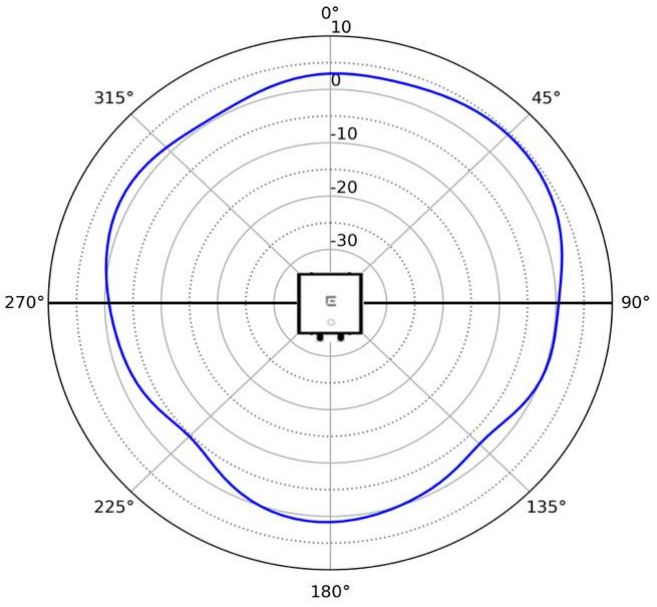
BLE R1 Azimuth



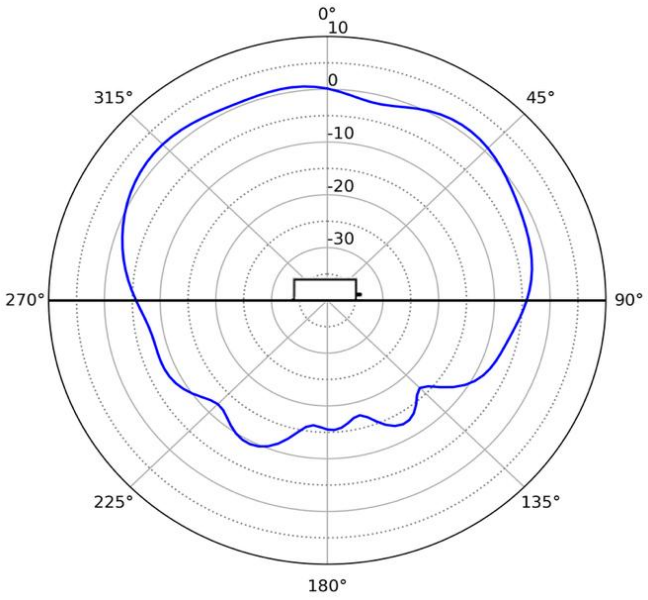
BLE R1 Elevation



BLE R2 Azimuth



BLE R2 Elevation



Ordering Information

AP5060 Series

Part Number	Description
AP5060U-WW	Weatherized Quad Radio Wi-Fi 7 (4x4:4): 2.4 GHz, 5 GHz, 6 GHz & dedicated full time sensor, Dual IoT, Dual 5 GHz, Dual 6 GHz, Multi-Rate Port, Internal antennas. Mounting sold separately. Domain: World SKU
AP5060D-WW	Weatherized Quad Radio Wi-Fi 7 (4x4:4): 2.4 GHz, 5 GHz, 6 GHz & dedicated full time sensor, Dual IoT, Dual 5 GHz, Dual 6 GHz, Multi-Rate Port, Directional Antennas: 20 or 70 degrees. Mounting sold separately. Domain: World SKU
AP5060U-WW-TAA	Weatherized Quad Radio Wi-Fi 7 (4x4:4): 2.4 GHz, 5 GHz, 6 GHz & dedicated full time sensor, Dual IoT, Dual 5 GHz, Dual 6 GHz, Multi-Rate Port, Internal antennas. Mounting sold separately. Domain: World SKU TAA Compliant
AP5060D-WW-TAA	Weatherized Quad Radio Wi-Fi 7 (4x4:4): 2.4 GHz, 5 GHz, 6 GHz & dedicated full time sensor, Dual IoT, Dual 5 GHz, Dual 6 GHz, Multi-Rate Port, Directional Antennas: 20 or 70 degrees. Mounting sold separately. Domain: World SKU TAA Compliant
AP5060U-EG	Outdoor Quad Radio Wi-Fi 7 (4x4:4): 2.4 GHz, 5 GHz, 6 GHz & dedicated full time sensor, Dual IoT, Dual 5 GHz, Dual 6 GHz, Multi-Rate Port, Internal antennas. Mounting sold separately. Domain: Egypt
AP5060D-EG	Outdoor Quad Radio Wi-Fi 7 (4x4:4): 2.4 GHz, 5 GHz, 6 GHz & dedicated full time sensor, Dual IoT, Dual 5 GHz, Dual 6 GHz, Multi-Rate Port, Directional Antennas: 30 or 70 degrees. Mounting sold separately. Domain: Egypt
AP5060U-IL	Outdoor Quad Radio Wi-Fi 7 (4x4:4): 2.4 GHz, 5 GHz, 6 GHz & dedicated full time sensor, Dual IoT, Dual 5 GHz, Dual 6 GHz, Multi-Rate Port, Internal antennas. Mounting sold separately. Domain: Israel
AP5060D-IL	Outdoor Quad Radio Wi-Fi 7 (4x4:4): 2.4 GHz, 5 GHz, 6 GHz & dedicated full time sensor, Dual IoT, Dual 5 GHz, Dual 6 GHz, Multi-Rate Port, Directional Antennas: 30 or 70 degrees. Mounting sold separately. Domain: Israel

Mounting Options

Pole Mount: +/- 15 Degree Tilt

Item	Quantity	Part Number	AP Mounting Accessories	Comments
Straps	2	AH-ACC-STRP-MRN	Weatherized Access Point stainless steel strap for 3 inches to 7 inches diameter pole	Order (2) for mounting to a pole
Pole Bracket	1	KT-147407-02	Mounting Hardware kit for Weatherized Access Points- stainless steel for harsh environments	Allows +/- 15 degree tilt - wall or pole mount (powder coat white)
Optional 12 inches Extension Bracket	1	KT-150173-01	Weatherized AP 12 Inch Ext Arm for Mounting Kit	Allows 12 inches of extension - must be used with KT-147407-02 (powder coat white) for tilt and/or pole mounting

Notes:

1. Access point attaches to the tilt part of bracket (KT-147407-02) which attaches to pole part of bracket (KT-147407-02).
2. Pole part attaches to the pole using two cable straps (AH-ACC-STRP-MRN).
3. The optional extension is placed between the access point and the tilt part of KT-147407-02.

Pole Mount: +/- 80 Degree Tilt

Item	Quantity	Part Number	AP Mounting Accessories	Comments
Straps	2	AH-ACC-STRP-MRN	Weatherized Access Point stainless steel strap for 3 inches to 7 inches diameter pole	Order (2) for mounting to a pole
Pole Bracket	1	KT-147407-02	Mounting Hardware kit for Weatherized Access Points- stainless steel for harsh environments	Attach MBO-ART03 to KT-147407-02 prior to attaching KT-147407-02 to the pole. KT-147407-02 allows +/-15 degree tilt to wall or poles (powder coat white)
Tilt + Extension Bracket	1	MBO-ART03	MBO-ART03 2-Axis Rotational Variable Extension Mounting Bracket for Weatherized Access Points	Allows 2 axis +/- 80 degree tilt (10 degree increments) and 3 position (7.0 inches, 8.5 inches, and 10.0 inches) extension - wall or Unistrut bracket

Notes:

1. Access point attaches to the bracket (MBO-ART03) using two screws.
2. Bracket (MBO-ART03) attaches to the pole bracket (KT-147407-02) using four bolts and nuts.
3. Pole bracket (KT-147407-02) attaches to pole with two cable straps (AH-ACC-STRP-MRN).

Wall Mount: +/- 15 Degree Tilt

Item	Quantity	Part Number	AP Mounting Accessories	Comments
Wall	1	KT-147407-02	Mounting hardware kit for Weatherized Access Points- stainless steel for harsh environments	Allows +/- 15 degree tilt - wall or pole mount (powder coat white)
Optional 12 inches Extension Bracket	1	KT-150173-01	Weatherized AP 12-inch extension arm for mounting kit	Allows 12 inches extension and must be used with KT-147407-02 (powder coat white) for tilt or pole mount

Notes:

1. Access point attaches to tilt part (KT-147407-02), which is attached to the wall part (KT-147407-02).
2. Wall part attaches to the wall using four screws and bolts.
3. Optional extension is placed between the access point and the tilt part of KT-147407-02.

Wall Mount: +/- 80 Degree Tilt

Item	Quantity	Part Number	AP Mounting Accessories	Comments
Tilt + Extension	1	MBO-ART03	MBO-ART03 2-Axis Rotational Variable Extension Mounting Bracket for Weatherized Access Points	Allows 2 axis +/- 80 degree tilt (10 degree increments) and 3 position (7.0 inches, 8.5 inches, and 10.0 inches) extension - wall or Unistrut bracket

Notes:

1. Access point attaches to the bracket (MBO-ART03) using two screws.
2. The other bracket end of (MBO-ART03) attaches to the wall using four screws or bolts.

Unistrut Mount: +/- 80 Degree Tilt

Item	Quantity	Part Number	AP Mounting Accessories	Comments
Bracket Attach Screws, Nuts, Lock Washers	2 of each	Installer Supplied Items	Stainless Steel, 1/2 inch or M13 thread diameter (2) Bolts: Hex head, machine thread (length- dependent on installation) (2) Lock Washers: Split-lock washers (2) Nuts: Hex head	Installer supplied hardware
Tilt + Extension	1	MBO-ART03	MBO-ART03 2-Axis Rotational Variable Extension Mounting Bracket for Weatherized Access Points	Allows 2 axis +/- 80 degree tilt (10 degree increments and 3 position (7.0 inches, 8.5 inches, and 10.0 inches) extension - wall or Unistrut bracket

AP5060U Underseat or Underbench Mount

Item	Quantity	Part Number	AP Mounting Accessories	Comments
AP5060U Only	1	EIO-04	EIO-04 Underseat Mounting Slope, EIO-03- SP (Service Panel), "L" Brackets, and Hardware	Can run conduit into or through both ends of the slope. Kit also allows for access point horizontal installation and gland protection

Other Accessories

Part Number	Description
ACC-WIFI-MICRO-USB	Micro-USB to USB Console Adapter Cable for Extreme Wireless Access Points
ACC-ODS-CAT6A-LAN-GSKT*	CAT6A LAN Cable Gasket used in the ODS gland (AP5060U, AP5060D). 5 set with 2 glands.

*Two glands included with AP5060U and AP5060D.

For more details, refer to the Product Accessories Guide.

Warranty

The AP5060U and AP5060D wireless access points are covered under Extreme's Warranty policy. For warranty details, visit: http://www.extremenetworks.com/support/policies

Support Services

Extreme offers a portfolio of services that adapts to your unique environment and technical support needs. Globally available technical support and professional services from our in-house team of experts provide the resiliency and optimization that accelerate your business and innovation.

Combined with Extreme Platform ONE agentic support tools and workflows, Extreme Services helps you to anticipate issues and identify risks before they impact your business. For more information, visit our Services page.

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